Please type a plus (+) sign in this box ➔ [+]

PTO/SB/05 (4/98)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))

Attorney Docket No.	S104.12-0039/STL 11310.00
First Inventor or Application Identifier	KokHoe Chia et al.
Title	REFRESHING DATA IN A DATA STORAGE DEVICE
Express Mail Label No.	EV 178016482 US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

Address To: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. [X] *Fee Transmittal Form e.g., PTO/SB17)
   (Submit an original and a duplicate for fee processing)

2. [ ] Applicant Claims small entity status

3. [X] Specification [Total Sheets [17]]
   (preferred arrangement set forth below
   - Descriptive title of the Invention)
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure

4. [ ] Drawing(s) *(35 U.S.C. § 113)* [Total Sheets [4]]

5. Oath or Declaration [Total Sheets [3]]
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 C.F.R. § 1.63(d))
      (for continuation/divisional with Box 18 completed)
      i. [ ] DELETION OF INVENTOR(S)
         Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§1.63(d)(2) and 1.33(b).

6. [X] Application Data Sheet. See 37 CFR 1.76

7. [ ] CD-ROM or CD-R in duplicate, large table or Computer program *(Appendix)*

8. Nucleotide and/or Amino Acid Sequence Submission *(If applicable, all necessary)*
   a. [ ] Computer Readable Copy
   b. Specification Sequence Listing on:
      i. [ ] CD-ROM or CD-R (2 Copies); or
      ii. [ ] Paper
   c. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. [X] Assignment Papers (cover sheet & document(s))

10. [X] 37 C.F.R. § 3.73(b) Statement (when there is an assignee)   [X] Power of Attorney

11. [ ] English Translation Document (if applicable)

12. [ ] Information Disclosure Statement (IDS)/PTO – 1449   [ ] Copies of IDS Citations

13. [ ] Preliminary Amendment

14. [X] Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. [ ] Nonpublication Request Under 35 USC 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent

17. [X] Other: Notice of Change of Address

18. **If a CONTINUING APPLICATION,** *check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:*
   [ ] Continuation [ ] Divisional [ ] Continuation –in part (CIP) of prior application No: ____/_____
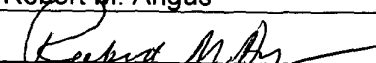   Prior application information: Examiner _____ Group/Art Unit: ____
   FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE

[ ] Customer Number or Bar Code Label *(Insert Customer No. or Attach bar code label here)* or [X] Correspondence address below

Name	Robert M. Angus WESTMAN CHAMPLIN & KELLY
Address	Suite 1600 – International Centre 900 South Second Avenue
City	Minneapolis	State	MN	Zip Code	55402-3319
Country	USA	Telephone	(612) 334-3222	Fax	(612) 334-3312

Name (Print/type)	Robert M. Angus	Registration No. (Attorney/Agent)	24,383
Signature	*(signature)*	Date	6/24/03

FEE TRANSMITTAL

Application No.	
Filing Date	
First Named Inventor	KokHoe Chia et al.
Title	REFRESHING DATA IN A DATA STORAGE DEVICE
Group Art Unit	
Examiner Name	
Atty. Docket Number	S104.12-0039/STL **11310.00**

Total Amount of Payment $ 750 and $40

METHOD OF PAYMENT (Check One)

1. ☒ The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123. Westman, Champlin & Kelly, P.A.

2. ☒ Checks Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description
1001	750	2001	375	☒ Utility Filing Fee
1002	330	2002	165	☐ Design Filing Fee
1004	750	2004	375	☐ Reissue Filing Fee
1005	160	2005	80	☐ Prov. Filing Fee

Subtotal (1) $ 750

2. EXTRA CLAIM FEES

	Number Claims	Prior**	Extra	Fee from Below	Fee Paid
Total	18	20	0	18	0
Indep.	3	3	0	84	0

Multiple Dependent Claims

** Insert 3 and 20, or number previously paid if greater; Reissue see below

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple Dependent Claims
1204	84	2204	42	Reissue Independent Claims over Original Patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

Subtotal (2) $ 0

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - Late filing fee or oath	
1052	50	2052	25	Surcharge - Late provisional Filing Fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For Filing a Request for Reexamination. (ex parte)	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1814	110	2814	55	Terminal Disclaimer Fee	
1452	110	2452	55	Petition to Revive - unavoidable	
1453	1,300	2453	650	Petition to Revive - unintentional	
1501	1,300	2501	650	Utility/Reissue issue fee (inc. advance copies)	
1502	470	2502	235	Design issue fee (inc. advance copies)	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40

Other Fee (specify) ____

Subtotal (3) $40

Signature _Robert M. Angus_
(Robert M. Angus)

Reg. No. **24.383**

Date _June 24, 2003_

Deposit Account No. 23-1123

IN THE UNTIED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor   : KokHoe Chia et al.

Appln. No.: Filed Herewith

Filed   : Filed Herewith   Group Art Unit:

For   : REFRESHING DATA IN A DATA   Examiner:
              STORAGE DEVICE

Docket No.: S104.12-0039/STL 11310.00

NOTICE OF CHANGE OF ADDRESS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
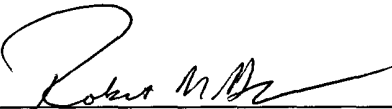
Sir:

        Please change the correspondence address of record for all purposes including notices of maintenance fees to:

                    Kirk A. Cesari
                    SEAGATE TECHNOLOGY LLC
                    Intellectual Property Dept. – SHK2LG
                    1280 Disc Drive
                    Shakopee, MN 55379-1863

                    Respectfully submitted,

                    WESTMAN, CHAMPLIN & KELLY, P.A.

                    By: _____
                        Robert M. Angus, Reg. No. 24,383
                        WESTMAN CHAMPLIN & KELLY
                        Suite 1600 – International Centre
                        900 Second Avenue South
                        Minneapolis, MN 55402-3319

RMA/djb